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TITLE : FUEL CELL ELECTRODE USING POROUS CARBON FILM, FILM- ELECTRODE
BONDED BODY AND FUEL CELL

ABSTRACT : PROBLEM TO BE SOLVED: To provide a fuel cell electrode having a carrier structure capable of effectively utilizing a noble metal based catalyst and using a simple process to make it, a film-electrode bonded body and a fuel cell.

SOLUTION: A noble metal particulate is carried and carbon particulates are filled in the very fine hole of a porous carbon film having a very fine communicating hole to form this fuel cell electrode. The fuel cell electrode is bonded on both sides of a high polymer electrolyte film to form this film-electrode bonded body (sometimes written as MEA for short). This fuel cell has the film-electrode bonded body as a component.

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